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United States
Department of
Agriculture

50117

Agricultural Marketing Service

Volume 16, No. 2 April - June 1988

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#### Plant Variety Protection Office Official Journal







#### PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an Official Journal to provide the public with information relating to the operations of the Plant Variety Protection Office. The statute also authorizes the Secretary to disseminate technological and other information that encourages innovation and progress in plant breeding.

The Official Journal, published quarterly, is available from:

Plant Variety Protection Office
Agricultural Marketing Service
U.S. Department of Agriculture
National Agricultural Library Bldg., Rm. 500
10301 Baltimore Blvd.
Beltsville, Maryland 20705

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Applications for protection have been filed for the following varieties. Each application has been assigned an protection. The seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety application number and will be examined to determine whether the variety is entitled to a certificate of Protection Applied For."

NAME OF APPLICANT	Plant Genetics, Inc.	Plant Genetics, Inc.	Pioneer Hi-Bred International, Inc.	W-L Research, Inc.	Asgrow Seed Campany	United AgriSeeds, Inc.
GEN. APPL. (*) DATE	04/07/88	04/07/88	05/23/88	06/10/88	05/24/88	05/13/88
VARIETY	York	Arroyo	5331	Allstar	RDEN Biscayne	ELD NS501
APPL. VARIETY	ALFALFA 8800119	8800120	8800157	8800172	BEAN, GARDEN 8800162 B:	CORN, FIELD 8800149

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed

<sup>&</sup>lt; > Identifies temporary designations.

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<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed. < > Identifies temporary designations.

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<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

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#### APRIL 1, 1988 TO JUNE 30, 1988 APPLICATIONS RECEIVED

Applications for protection have been filled for the following varieties. Each application has been assigned an protection. The seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For." application number and will be examined to determine whether the variety is entitled to a certificate of Goldsmith Seeds, Inc. Goldsmith Seeds, Inc. Goldsmith Seeds, Inc. NAME OF APPLICANT Booker Seeds Ltd. Daehnfeldt Inc. 05/31/88 04/13/88 04/27/88 05/31/88 05/31/88 GEN. APPL. DATE (3) (3) \* Janie Harmony Aurora Fire Aurora Gold <LD 9922> VARIETY Magnus MARIGOLD 8800168 8800169 8800126 8800167 3800137 APPL. 8 RAPE

Sesaco Corporation

04/14/88

Sesaco 10

8800128 SESAME

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

<sup>&</sup>lt; > Identifies temporary designations. 7

### APRIL 1, 1988 TO JUNE 30, 1988 APPLICATIONS RECEIVED

Applications for protection have been filed for the following varieties. Each application has been assigned an

application number and will be examined to determine whether the variety is entitled to a certificate of protection number and will be examined to determine whether the variety is entitled to a certificate of protection. The seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Drotection and in the following for "Inchestion and the control of the control o			1 A8087C 06/20/88 Cargill, Inc.	PH257 Pioneer Hi-Bred International, Inc.	PH289 Pioneer Hi-Bred International, Inc.	PH308 Pioneer Hi-Bred International, Inc.	PH309 Pioneer Hi-Bred International, Inc.	PH310 06/28/88 Pioneer Hi-Bred International, Inc.	
number and The seed	VARIE	(Continued Sesacc	A8087C	PH257	PH289	PH308	PH309	PH310	
application number protection. The se	APPL. NO.	SESAME (8800129	SORGHUM 8800179	8800181	8800182	8800183	8800184	8800185	

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NAME OF APPLICANT	Nickerson American Plant Breeders, Inc.	Nickerson American Plant Breeders, Inc.	Coker's Pedigreed Seed Company	FFR Cooperative	Virginia Polytechnic Institute and State University	Tennessee Agricultural Experiment Station	Northrup King Co.
GEN. APPL. (*) DATE	04/13/88	04/13/88	04/13/88	04/20/88	(*) 04/29/88	05/02/88	05/05/88
VARIETY	AP 2021	AP 3977	6847	FFR 565	Hutcheson	<tn 4-86=""></tn>	S74-40
APPL. VARIET	SOYBEAN 8800124	8800125	8800127	8800134	8800138	8800139	8800140

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Applications for protection have been filed for the following varieties. Each application has been assigned an protection. The seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety application number and will be examined to determine whether the variety is entitled to a certificate of Hyperformer Seed Company Hyperformer Seed Company NAME OF APPLICANT Northrup King Co. 05/05/88 05/05/88 05/05/88 05/05/88 05/05/88 05/09/88 05/09/88 GEN. APPL. DATE (\*) HSC Baldwin Protection Applied For." VARIETY SOYBEAN (Continued) HSC B2J S61-10 S34-19 S36-36 S21-98 S26-06 8800142 8800143 8800144 8800145 8800146 8800147 8800141 APPL.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

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Applications for protection have been filed for the following varieties. Each application has been assigned an The seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Mississippi Agricultural & Forestry Pioneer Hi-Bred International, Inc. Pioneer Hi-Bred International, Inc. Pioneer Hi-Bred International, Inc. Pioneer Hi-Bred International, Inc. application number and will be examined to determine whether the variety is entitled to a certificate of Asgrow Seed Company Experiment Station NAME OF APPLICANT (3) 05/13/8805/16/88 05/20/88 05/20/88 05/20/88 05/20/88 GEN. APPL. DATE (\*) Protection Applied For." SOYBEAN (Continued) Sharkey A5403 9111 9161 9293 9402 protection. 8800148 8800151 8800158 8800159 8800160 8800161 œ.

Identifies temporary designations.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed

<sup>11</sup> 

### APRIL 1, 1988 TO JUNE 30, 1988 APPLICATIONS RECEIVED

The Curators of the University of Missouri Applications for protection have been filled for the following varieties. Each application has been assigned an protection. The seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Pioneer Hi-Bred International, Inc. Pioneer Hi-Bred International, Inc. Pioneer Hi-Bred International, Inc. application number and will be examined to determine whether the variety is entitled to a certificate of Asgrow Seed Company Asgrow Seed Company NAME OF APPLICANT Cargill, Inc. 06/20/88 05/26/88 05/31/88 05/31/88 05/31/88 06/11/88 06/11/88 DATE (\*) Protection Applied For." SOYBEAN (Continued) Avery A3415 A4009 9272 9301 9501 687 SUNFILOWER 8800180 8800163 8800164 8800165 8800166 8800174 8800175 . Q

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

<sup>&</sup>lt; > Identifies temporary designations.

Ohio Agricultural Research and Development Ohio Agricultural Research and Development Applications for protection have been filed for the following varieties. Each application has been assigned an The seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety application number and will be examined to determine whether the variety is entitled to a certificate of Whio State University Ohio State University NAME OF APPLICANT Center (3) 04/11/88(2) 04/11/88GEN. APPL. DATE (\*) Protection Applied For." VARIETY Dynasty GR876 WHEAT, COMMON protection. 8800122 8800121 APPL. <u>,</u>

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

<sup>&</sup>lt; > Identifies temporary designations.

Information concerning the varieties below has been published previously in the Official Journal's list of "APPLICATIONS RECEIVED." During the examination process, the applicant requested this information to be amended as indicated below.

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APPL. NO.	VARLETY	*	APPL. DATE	NAME OF APPLICANT
FESCUE, RED 8800136 Vista	Vista	0	4/26/88	04/26/88 Pure-Seed Testing, Inc.
Varie	Variety with temporary designation of <430> named 'Vista'	med .	Vista'.	
LETTUCE SPOODS ISTAILS			70/20/1	

8800022 LaJolla

11/27/87 Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V. Name of applicant changed from Quali-Sel, Inc. to Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V.

RAPE

8800075 Legend

(2) 02/09/88 Svalof AB

Variety with temporary designation of <Sv 02402> named 'Legend'.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed. < > Identifies temporary designations.

#### APRIL 1, 1988 TO JUNE 30, 1988 APPLICATIONS AMENDED

Information concerning the varieties below has been published previously in the Official Journal's list of "APPLICATIONS RECEIVED." During the examination process, the applicant requested this information to be amended as indicated below.

NAME OF APPLICANT	Nickerson American Plant Breeders, Inc.
GEN. APPL. (*) DATE	02/09/88
APPL. VARIETY NO.	MHEAT, COMMON 8800078 W2502

To be sold by variety name only as a class of certified seed with 3 generations of certified seed permitted beyond breeder's seed.

< > Identifies temporary designations.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed. 15

## APPLICATIONS ABANDONED, WITHDRAWN, DENIED, OR INELIGIBLE APPLICATIONS 1988 TO JUNE 30, 1988

Variety Protection Act, varieties published in this list may possibly be protected under the Patent Applications for the varieties listed below are no longer being considered for U.S. plant variety protection. Although propagation of these varieties is no longer prohibited by the U.S. Plant

VARIETY		Ġ.	хора				ι
Ν	Yolo	Madera	Maricopa	IN330	IN331	Enjoy	Orion
APPL. NO.	8700132	8800014	8800015	8700047	8700048	8700076	8500180
KIND	ALFALFA	ALFALFA	ALFALFA	CORN, FIELD	CORN, FIELD	FESCUE, CHEWINGS	WHEAT, COMMON

<sup>&</sup>lt; > Identifies temporary designations.

## CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM APRIL 1, 1988 TO JUNE 30, 1988

NAME OF OWNER	
ISSUE	DATE
GEN.	*
VARIETY	
CERT.	NO

'Webfoot' is most similar to 'Iroquois'; however, 'Webfoot' has a more branched root 8700212 Webfoot

(2) 04/29/88 Michigan State University

system. Also, 'Webfoot' is resistant to Phytophthora root rot whereas 'Iroquois' is

### 8800102 Vector

susceptible.

06/30/88 Plant Genetics, Inc.

"Vector" has 100% purple flowers and is resistant to Phytophthora root rot whereas 'Eagle' (resistant vs moderately resistant, respectively). 'Vector' differs from 'Eagle' in that flowers whereas 'Apollo II' has 90% purple flowers. 'Vector' also differs from 'Apollo II' in at least 5 pest rating categories including anthracnose race 1 (resistant vs 'Vector' is most similar to 'Apollo II' and 'Eagle'; however, 'Vector' has 100% purple moderately resistant), Fusarium wilt (highly resistant vs resistant) and pea aphid has 90% purple flowers and is moderately resistant to Phytophthora root rot.

### 8800103 Flint

06/30/88 Plant Genetics, Inc.

'Flint' is most similar to 'Commandor' and 'Kingstar'; however, 'Flint' is resistant to spotted alfalfa aphid whereas 'Commandor' has low resistance. 'Flint' has low resistance to Verticillium wilt whereas 'Kingstar' is resistant.

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# CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM APRIL 1, 1988 TO JUNE 30, 1988

GEN. ISSUE NAME OF OMNER (*) DATE	05/31/88 Rogers Brothers Seed Company, but differs by external pod color [144A vs Colour Chart] and length of the primary leafpedicels (5.9 vs 6.5 cm).	04/29/88 Jacklin Seed Company ver, 'Dawn' has shorter mature culms (47 vs here 9 = very fine) than 'Destiny'.	06/30/88 Jacklin Seed Company owever, 'Destiny' has longer panicles (96 vs = dark green) than 'Liberty'.	05/31/88 Jacklin Seed Company ever, 'Suffolk' heads 10 days earlier and is
CERT. VARIETY NO.	BEAN, GARDEN 8500093 Bluepak 1810epak most closely resembles 'OSU 4755-2', but differs by external pod color [144A vs 146D on the Royal Horticultural Society (RHS) Colour Chart] and length of the primary leaf pedicel. 'Bluepak' has shorter primary leaf pedicels (5.9 vs 6.5 cm).	BLUEGRASS, KENTUCKY 8800062 Dawn 'Dawn' most closely resembles 'Destiny'; however, 'Dawn' has shorter mature culms (47 vs 54 cm) and a finer leaf texture (6.8 vs 5.9 where 9 = very fine) than 'Destiny'.	8800063 Destiny 06/30/88 Jacklin Seed Company 'Destiny' most closely resembles 'Liberty'; however, 'Destiny' has longer panicles (96 vs 85 mm) and darker leaves (7.4 vs 6.5 where 9 = dark green) than 'Liberty'.	8800072 Suffolk (Company 'Suffolk' most closely resembles 'Baron'; however, 'Suffolk' heads 10 days earlier and is taller (49 vs 35 cm) than 'Baron'.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

## CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM APRIL 1, 1988 TO JUNE 30, 1988

NAME OF OWNER
ISSUE
GEN.
VARIETY
CERT. NO.

## BLUEGRASS, KENTUCKY (Continued)

'Ikone' most closely resembles 'Julia'; however, 'Ikone' is shorter (81 vs 86 cm) and is less resistant to pink snow mold (moderately susceptible vs resistant) than 'Julia'. 05/31/88 L. C. Nungesser K.G. 8800073 Ikone

### 8800074 Freedom

Freedom' most closely resembles 'Dawn'; however, 'Freedom' is taller (52 vs 47 cm) and has lighter green leaves (5.9 vs 7.1 where 9 = dark green) than 'Dawn'. 'Freedom' is 05/31/88 Jacklin Seed Company susceptible to pink snow mold whereas 'Dawn' is moderately resistant.

#### BROCCOLI RAAB

05/31/88 D'Arrigo Bros. Co. of California 'D'Arrigo No. 502' most closely resembles 'D'Arrigo No. 905'; however, 'D'Arrigo No. 502' matures 5 to 7 days earlier than 'D'Arrigo No. 905'. 8700192 D'Arrigo No. 502

#### CAULIFICMER

'Alverda' is most similar to 'Verde di Macerata'; however, 'Alverda' curds mature 10 days 05/31/88 TS Seeds BV earlier than 'Verde di Macerata'. 8700190 Alverda

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# CERTIFICATES ISSUED, AND NOVELITY BASED ON APPLICANT'S CIAIM APRIL 1, 1988 TO JUNE 30, 1988

NS701 NS701 NS701 NS701 Tol' is most similar to 'B73'; however, 'NS701' lier, its plants are 16 cm shorter, and its ear 807 7' is most similar to 'W117'; however, '807' lereas 'W117' leaves do not scroll.  IH59 S9' most closely resembles 'IH57'; however, 'IH78' nts.  PHK29 K29' is most similar to 'B47'; however, 'PHK29' er and silks 5 days (100 heat units) later than PHK05 er and silks 5 days (100 heat units) later than er and silks 5 days (100 heat units) later than er and silks 5 days (100 heat units) later than er and silks 5 days (100 heat units) later than	NAME OF OWNER	05/31/88 United AgriSeeds, Inc. reaches the 50% silk stage 2 to 3 days height is 11 cm shorter than 'B73'.	04/29/88 Northrup King Co. aves scroll on 16-50% of its plants	04/29/88 Holden's Foundation Seeds, Inc. 'IH59' plants are 29 cm taller than 'IH57'	05/31/88 Pioneer Hi-Bred International, I sheds pollen 4 days (80 heat units)	05/31/88 Pioneer Hi-Bred International, sheds pollen 2 days (40 heat units)
NS701 NS701 NS701 NS701 Tol' is most similar to 'B73'; however, 'NS701' lier, its plants are 16 cm shorter, and its ear 807 7' is most similar to 'W117'; however, '807' lereas 'W117' leaves do not scroll.  IH59 S9' most closely resembles 'IH57'; however, 'IH78' nts.  PHK29 K29' is most similar to 'B47'; however, 'PHK29' er and silks 5 days (100 heat units) later than PHK05 er and silks 5 days (100 heat units) later than er and silks 5 days (100 heat units) later than er and silks 5 days (100 heat units) later than er and silks 5 days (100 heat units) later than	ISSUE	05/31/88 reaches height	04/29/88 aves scr	04/29/88 59' plan	05/31/88 sheds p	05/31/88 sheds po 'CM7'.
FIELD 8700134 NS701 'NS701' is most similar to 'B73'; however, earlier, its plants are 16 cm shorter, and 8700151 807 'B07' is most similar to 'W117'; however, whereas 'W117' leaves do not scroll. 8700213 IH59 'LH59' most closely resembles 'LH57'; hower plants. 8700214 PHK29 'PHK29' is most similar to 'B47'; however, later and silks 5 days (100 heat units) la 1840001 PHK05 'PHK05' is most similar to 'CM7'; however, later and silks 5 days (100 heat units) la 18405' is most similar to 'CM7'; however, later and silks 5 days (100 heat units) la	GEN.	'NS701' its ear	, 1807' le	<u> </u>	'PHK29' ter than	'PHK05' ter than
		CORN, FIELD 8700134 NS701 'NS701' is most similar to 'B73'; however, earlier, its plants are 16 cm shorter, and	8700151 807 '807' is most similar to 'W117'; however, whereas 'W117' leaves do not scroll.	8700213 IH59 'LH59' most closely resembles 'LH57'; howe plants.	8700214 PHK29 'Is most similar to 'B47'; however, later and silks 5 days (100 heat units) la	8800001 PHK05 's most similar to 'CM7'; however, later and silks 5 days (100 heat units) la

Inc.

Inc.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

# CERTIFICATES ISSUED, AND NOVELITY BASED ON APPLICANT'S CLAIM APRIL 1, 1988 TO JUNE 30, 1988

	Iħ	In
NAME OF CANER	05/31/88 Pioneer Hi-Bred International, Inchas green silks whereas '207' has red	05/31/88 Pioneer Hi-Bred International, Inmatures later (1617 vs 1582 growing m) than 'G35'.
ISSUE	05/31/88 ' has gree	05/31/88   matures cm) than '
(*)	'PHR25	'PHV78
CERT. VARIETY NO.	CORN, FIELD (Continued) 8800002 PHR25 'PHR25' is most similar to '207'; however, 'PHR25' has green silks whereas '207' has red silks.	8800003 PHV78   Pioneer Hi-Bred Internation 'PHV78' matures later (1617 vs 1582 growing degree units), and has taller plants (241 vs 198 cm) than 'G35'.

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'Lambright 2020' is most similar to 'Lambright GIN'; however, 'Lambright 2020' is (3) 05/31/88 J. H. Lambright nectaried and glanded whereas 'Lambright GIN' is nectariless and glandless. 8800085 Lambright 2020

'740' is most similar to 'Mo17'; however, '740' anther glumes do not have a purple band

whereas 'Mol7' anther glumes have a purple band.

06/30/88 Northrup King Co.

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## CERTIFICATES ISSUED, AND NOVELFY BASED ON APPLICANT'S CLAIM APRIL 1, 1988 TO JUNE 30, 1988

NAME OF OWNER
DATE
GEN.
VARIETY
CERT. NO.

#### FESCUE, SHEEP

'Bighorn' most closely resembles 'Covar' and 'Scaldis'; however, 'Bighorn' heads at least 'Scaldis'. 'Bighorn' is resistant to leafspot whereas 'Covar' is moderately susceptible. 05/31/88 Pure-Seed Testing, Inc. 5 days earlier and has a more blue-gray color (RHS Colour Chart 133B vs 137C) than 8800064 Bighorn

'Phyter' is most similar to 'Kentucky 31'; however, 'Phyter' is taller (120 vs 111 cm), darker green (2.8 vs 2.0 where 4.0 = dark green), and lower in dry matter content than 04/29/88 FFR Cooperative 'Kentucky 31'. 8800076 Phyter

### 8800093 Penngrazer

1.4 days earlier and has darker green leaves (2.8 vs 2.0 where 2 = med-light green and 3 ='Penngrazer' is most similar to 'Kentucky 31'; however, 'Penngrazer' has an anthesis date med-dark green) than 'Kentucky 31'. 'Penngrazer' has a better summer quality (more green 06/30/88 FFR Cooperative material) than 'Kentucky 31'.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

## CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM APRIL 1, 1988 TO JUNE 30, 1988

NAME OF CWINER	
ISSOE	DATE
GEN.	*
VARIETY	
CERT.	NO.

FESCUE, TALL (Continued)

8800130 Silverado

06/30/88 Pure-Seed Testing, Inc. 'Silverado' is at least 5 days later maturing than 'Monarch', 10 days later than 'Silverado' is most similar to 'Monarch', 'Trailblazer', and 'Olympic'; however, 'Trailblazer', and 6 days later than 'Olympic'.

Measurements from 9/28/84 planting in Yuma, diameter (46.6 vs 39.8~cm) and a larger head diameter (15.2 vs 13.95~cm), measurements 'Early Giant' is most similar to 'Sea Green', but 'Early Giant' has a larger frame 05/31/88 Genecorp Technology taken from 2/22/85 planting in Soledad, CA. AZ were consistent with those given above. 8600035 Early Giant

### 8600154 Vanpire

'Vanpire' is similar to 'Vanguard 75'; however, 'Vanpire' bolted 7 days later than 'Vanpire' is a 'Vanguard' type lettuce but is adapted for a warmer growing season. 05/31/88 Genecorp Technology Vanguard 75' (data from April 19, 1985 planting in Corcoran, CA).

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

# CERTIFICATES ISSUED, AND NOVELTY BASED ON APPLICANT'S CLAIM APRIL 1, 1988 TO JUNE 30, 1988

1	CERT.	VARIETY	GEN.	GEN. ISSUE	NAME OF OWNER	
	°.		(*)	DATE		

LETTUCE (Continued)

'Greengo' is most similar to 'Genecorp Green'; however, 'Greengo' has white seed whereas 05/31/88 Genecorp Technology 'Genecorp Green' has black seed. 8800055 Greengo

PFA

Sugar Pop' most closely resembles 'SugarBon'; however, 'Sugar Pop' pods are stringless 04/29/88 Gallatin Valley Seed Co. whereas 'SugarBon' pods develop strings. 8700147 Sugar Pop

RYEGRASS, PERENNIAL

'Dasher II' most closely resembles 'Dasher'; however, 'Dasher II' heads 3 days later and has shorter plants (71 vs 78 cm) than 'Dasher'. 'Dasher II' is moderately resistant to 04/29/88 Pickseed West Inc. stem rust whereas 'Dasher' is susceptible. 8800024 Dasher II

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

## CERTIFICATES ISSUED, AND NOVELITY BASED ON APPLICANT'S CLAIM APRIL 1, 1988 TO JUNE 30, 1988

CERT. NO.	VARIETY	GEN.	ISSUE	NAME OF OWNER
SAFFLOWER 8800081 S-517 'S-517' mos whereas tho	O81 S-517 (3) 06/30/88 SeedTec International, Ir 'S-517' most closely resembles 'S-317'; however, 'S-517' has orange flowers when dry whereas those of 'S-317' are yellow when dry.	(3) er,	06/30/88 S-517' has	(3) 06/30/88 SeedTec International, Incer, 'S-517' has orange flowers when dry

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04/29/88 Pioneer Hi-Bred International, Inc. 'PH227' has awns whereas 'TX430' is 'PH227' most closely resembles 'TX430'; however, 8600012 PH227 awnless.

8700131 PH232

06/30/88 Pioneer Hi-Bred International, Inc. 'PH232' is most similar to 'Tx2737'; however, 'PH232' has an opaque pericarp whereas 'Tx2737' has a transparent pericarp.

#### SOYBEAN

'B236' is most similar to 'S23-03'; however, seeds of 'B236' have gray hila whereas seeds 06/30/88 Northrup King Co. of 'S23-03' have buff hila. 8600146 B236

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

# CERTIFICATES ISSUED, AND NOVELFTY BASED ON APPLICANT'S CLAIM APRIL 1, 1988 TO JUNE 30, 1988

GEN. ISSUE NAME OF OWNER (*) DATE	(*) 06/30/88 Illinois Agricultural Experiment Station	'Chamberlain' is most similar to 'Williams 82'; however, 'Chamberlain' is resistant to brown stem rot and has low peroxidase activity, whereas 'Williams 82' is susceptible to brown stem rot and has high peroxidase activity.	102 9202 '9202' is most similar to '1677'; however, the seed size of '9202' is larger than that of '1677' by more than 900 seeds per pound.	103 9331 (1931) 105. (1931) 106/30/88 Pioneer Hi-Bred International, Inc. 19331 is most similar to 'A3427'; however, '9331' matures 4 days earlier than 'A3427' and '9331' is susceptible to bacterial pustule whereas 'A3427' is resistant.	104 9391 (104 most similar to 'Williams 79'; however, '9391' has purple flowers whereas
CERT. VARLETY NO.	SOYBEAN (Continued) 8700073 Chamberlain	'Chamberlain' is most similar to 'Williams 82'; brown stem rot and has low peroxidase activity, brown stem rot and has high peroxidase activity.	8700102 9202 '9202' is most similar to '1677'; however '1677' by more than 900 seeds per pound.	8700103 9331  '9331' is most similar to 'A3427'; however, '9331' matures 4 days earlie '9331' is susceptible to bacterial pustule whereas 'A3427' is resistant.	8700104 9391 's most similar to 'Williams 79';

'Williams 79' has white flowers.

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# CERTIFICATES ISSUED, AND NOVELIFY BASED ON APPLICANT'S CIAIM APRIL 1, 1988 TO JUNE 30, 1988

NAME OF OWNER	(Continued) 105 9442 '9442' is most similar to '9441'; however, flowers of '9442' are purple whereas flowers of '9441' are white.
ISSUE	06/30/88 s of '9442
(* GEN.	flowers
	'9441'; however,
	llar to
VARIETY	(Continued) 105 9442 '9442' is most simi '9441' are white.
CERT. NO.	SOYBEAN (Continued) 8700105 9442 '9442' is n

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06/30/88 Pioneer Hi-Bred International, Inc. '9641' is most similar to 'A6381' and 'Davis'; however, '9641' has imperfect black hila whereas 'Davis' has buff hila, and '9641' is tolerant to southern rootknot nematodes whereas 'A6381' is highly susceptible.

ods, black hila, and low seedcoat peroxidase activity whereas 'AP 4321' has brown pods, 415', 'Mitchell', and 'S42-40'; however, 'A4393' has purple flowers whereas 'A4271', 'A4595', 'Union', '9441', 'FFR 441', and 'CX 415' have white flowers. 'A4393' has tan 'A4393' is most similar to 'A4271', 'A4595', 'Union', '9441', 'FFR 441', 'AP 4321', 06/30/88 Asgrow Seed Company "Mitchell' has brown hila, and 'S42-40' has high peroxidase activity. 8700184 A4393

'NattoKing K86' is most similar to 'Canatto'; however, 'NattoKing K86' matures 14 days 06/30/88 King Grain Inc. later than 'Canatto'. 8700191 NattoKing K86

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

## CERTIFICATES ISSUED, AND NOVELITY BASED ON APPLICANT'S CLAIM APRIL 1, 1988 TO JUNE 30, 1988

NAME OF CANER	(3) 05/31/88 Minnesota Agricultural Experiment Station	has an imperfect black hilum	06/30/88 Iowa Agriculture and Home Economics Experiment Station	s 2 days later than 'Prize'.
ISSUE	05/31/88	Glenwood	88/06/90	ol' mature
VARLETY GEN.	8	'Glenwood' is most similar to 'Dawson'; however, 'Glenwood' has an imperfect black hilum whereas 'Dawson' has a yellow hilum.	8800018 IS301	'IS301' is most similar to 'Prize'; however, 'IS301' matures 2 days later than 'Prize'
CERT. NO.	SOYBEAN (Continued) 8700209 Glenwoo	'G] whe	8800018	51,

#### SUNFIOWER

05/31/88 Pioneer Hi-Bred International, Inc. anthocyanin in the hypocotyl, has top branching, and has a central head above the lateral heads whereas the other 4 inbreds have hypocotyl anthocyanin and are fully branched with 'RHA278', and 'RHA299'. 'PHA009' differs from these inbreds in that 'PHA009' lacks 'PFA009' is most similar to the USDA branched restorer lines: 'RFA271', 'RFA273', the central head below the lateral heads. 8700050 PHA009

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# CERTIFICATES ISSUED, AND NOVELITY BASED ON APPLICANT'S CLAIM APRIL 1, 1988 TO JUNE 30, 1988

NAME OF OWNER	06/30/88 Northrup King Co. 'K340' most closely resembles 'NC 95'; however, 'K340' is highly resistant to black shank whereas 'NC 95' is moderately resistant. 'K340' is susceptible to root knot nematode whereas 'NC 95' is resistant.
ISSUE	06/30/88 K340' is h is suscept
GEN.	'NC 95'; however, ' resistant. 'K340'
VARIETY	070 K340 (K340 most closely resembles whereas 'NC 95' is moderately whereas 'NC 95' is resistant.
CERT.	TOBACCO 8800070 K340 'K340' mos whereas 'N

124 Sureset 05/31/88 Ferry-Morse Seed Company Sureset' is a uniformly ripening processing tomato most similar to 'UC 134' which has light green shoulder blush. 8600124 Sureset

'Mosa' most closely resembles 'Taronda'; however, 'Mosa' flowers 4 days later than 06/30/88 Zelder B.V. 'Taronda' when spring sown.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

# CERTIFICATES ISSUED, AND NOVELFY BASED ON APPLICANF'S CLAIM APRIL 1, 1988 TO JUNE 30, 1988

ISSUE NAME OF OWNER DATE	(*) 04/29/88 Virginia Agricultural Experiment Station	seed of 'Saluda' are ovate and of 'Coker 68-15'. The seed of s susceptible in the seedling stage er 68-15' displays an intermediate	(3) 05/31/88 Purdue University Agricultural Experiment Station and USDA-ARS Ader' is 5 to 9 on shorter than 'anhuru' and	ght expression of snakiness of the	(3) 04/29/88 Nickerson American Plant Breeders, Inc.	has shorter (7.2 vs 8 mm) glumes oulders.
1	/40	the seed la'i	05/	s sli	/40	ctory ne sh
GEN.	*	kcept 1 the Saluc ereas	(3)	only a	(3)	· Vic
CERT. VARIETY NO.	WHEAT, COMMON 8500007 Saluda	'Saluda' is most similar to 'Coker 68-15' except the seed of 'Saluda' are ovate and exhibit a less conspicuous brush collar than the seed of 'Coker 68-15'. The seed of 'Coker 68-15' are ovate to oval in shape. 'Saluda' is susceptible in the seedling stage to a field mixture of stem rust inoculum whereas 'Coker 68-15' displays an intermediate reaction.	8500062 Adder  Experiment Station and USDA-All Experiment Stat	has a snaky (wavy) peduncle. 'Auburn' has only a slight expression of snakiness of the peduncle.	8500197 Victory	'Victory' is most similar to 'Newton' except 'Victory' has shorter (7.2 vs 8 mm) glumes with oblique shoulders. 'Newton' has square glume shoulders.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

# CERTIFICATES ISSUED, AND NOVELFY BASED ON APPLICANF'S CLAIM APRIL 1, 1988 TO JUNE 30, 1988

CERT. VARIETY NO.	* (EEE)	ISSUE	NAME OF CMNER
WHEAT, COMMON (Continued) 8500198 Stallion	(3)	04/29/88	(3) 04/29/88 Nickerson American Plant Breeders. Inc.
'Stallion' is most similar to 'Arkan' except 'Stallion' has longer glume beaks (6.5 vs 1.5 mm) than 'Arkan' and 'Stallion' expresses anthocyanin pigmentation in the auricles whereas 'Arkan' does not. 'Stallion' does not have hairs on the sheath of the first leaf whereas 'Arkan' does.	'Stal thocya hairs	lion' has nin pigmer on the she	longer glume beaks (6.5 vs 1.5 station in the auricles whereas ath of the first leaf whereas
8500199 Thunderbird	(3)	04/29/88	(3) 04/29/88 Nickerson American Plant Breeders,
'Thunderbird' is most similar to 'Arkan' except 'Thunderbird' has acute glume beaks whereas the glume beaks of 'Arkan' are acuminate. 'Thunderbird' expresses anthocyanin in the auricles and does not have hairs on the first leaf sheath. 'Arkan' does not express anthocyanin in the auricles and hairs are present on its first leaf sheaths.	ept 'T nate. first esent	hunderbird 'Thunderk leaf sheat on its fir	I has acute glume beaks hird' expresses anthocyanin in h. 'Arkan' does not express st leaf sheaths.
8600009 9227 "Dedigreed Seed Company"   05/31/88 Coker's Pedigreed Seed Company '9227" most nearly resembles 'Florida 301' except '9227" has a more prostrate growth habit than 'Florida 301' and is resistant to soilborne mosaic virus whereas 'Florida 301' is	except corne n	05/31/88 '9227' has posaic viru	05/31/88 Coker's Pedigreed Seed Company '9227' has a more prostrate growth habit osaic virus whereas 'Florida 301' is

susceptible.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

# CERTIFICATES ISSUED, AND NOVELITY BASED ON APPLICANT'S CLAIM APRIL 1, 1988 TO JUNE 30, 1988

NAME OF OWNER	04/29/88 Coker's Pedigreed Seed Company 9323' has lighter seed color (RHS Colour C) and the seeds of 'Coker 916' usually near the brush end which the seeds of	(3) 06/30/88 Nickerson American Plant Breeders, Inc.	ter glume beaks than 'Len' (5.9	(*) 05/31/88 Western Plant Breeders, Inc. 1000D' and 'Yavaros 79' except the awns of to white at maturity whereas the awns of WestBred Turbo' is 1 to 8 days later flowering gher hard amber vitreous counts than either
ISSUE	04/29/88 9323' ha C) and t	88/0ɛ/90	has shor	05/31/88 ID' and ' te at ma ed Turbo hard amb
GEN.	except ' hart 165 : crease	(3)	Celtic'	(*) kred 1000 y to whi 'WestBr higher
CERT, VARIETY NO.	WHEAT, COMMON (Continued) 8600010 9323 19323 most closely resembles 'Coker 916' except '9323' has lighter seed color (RHS Colour Chart 164C) than 'Coker 916' (RHS Colour Chart 165C) and the seeds of 'Coker 916' usually have a spot of color or "birthmark" in the crease near the brush end which the seeds of '9323' do not.	8600080 Celtic	'Celtic' is most similar to 'Len' except 'Celtic' has shorter glume beaks than 'Len' (5.9 vs 8.6 mm).	WHERT, DURUM 8500217 WestBred Turbo 'WestBred 1000D' and 'Yavaros 79' except the awns of 'WestBred Turbo' are black and fade rapidly to white at maturity whereas the awns of 'WestBred 1000D' do not fade at maturity. 'WestBred Turbo' is 1 to 8 days later flowering than 'Yavaros 79' and 'WestBred Turbo' has higher hard amber vitreous counts than either 'WestBred 1000D' or 'Yavaros 79'.

(\*) To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

### APRIL 1, 1988 TO JUNE 30, 1988 CERTIFICATES AMENDED

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

NAME OF OWNER	
ISSOE	DATE
	*
VARIETY	
CERT.	NO.

BEAN, GARDEN

8500093 Bluepak

Rogers Brothers Seed Company 05/31/88

12/18/80 Terra Seed Company 8000052 Deltapine SR-5

Variety with temporary designation <81-WM-173-1> named 'Bluepak'.

Name of owner changed from Terra Seed Company to Summit Seed Company, Inc.

11/19/81 Terra Seed Company 8100098 Deltapine SR-980

Name of owner changed from Terra Seed Company to Summit Seed Company, Inc.

07/15/82 Terra Seed Company 8200067 Deltapine SR-482

Name of owner changed from Terra Seed Company to Summit Seed Company, Inc.

< > Identifies temporary designations.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

### CERTIFICATES AMENDED PRIL 1, 1988 TO JUNE 30,

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

180.130 of the Regulatio
CERT. VARIETY
NO.

34

actice under the Plant Variety Protection of GEN. ISSUE NAME OF OWNER (\*) DATE

12/30/82 Terra Seed Company

COTTON (Continued) 8200137 Deltapine SR-383

Name of owner changed from Terra Seed Company to Summit Seed Company, Inc.

8400088 Terra SR-10

09/28/84 Terra Seed Company

Name of owner changed from Terra Seed Company to Summit Seed Company, Inc.

LETTUCE

7400010 Red Coach 74

04/08/75 Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V.

Name of owner changed from Quali-Sel, Inc. to Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed.

<sup>&</sup>lt; > Identifies temporary designations.

### APRIL 1, 1988 TO JUNE 30, 1988 CERTIFICATES AMENDED

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

NAME OF OWNER		
ISSOE	(*) DATE	
GEN	*	
VARIETY		
CERT.	NO.	

LETTUCE (Continued)

7400015 Winterhaven

Didier, Royal Sluis (Netherlands) 06/24/74 Harnish-Brinker Seed, Louis

Name of owner changed from Harnish-Brinker Seed Company, Charles R. Scroggs and Louis Didier to Harnish-Brinker Seed Company, Louis Didier and Royal Sluis, Inc. to Harnish-Brinker Seed Company, Louis Didier and Royal Sluis, (Netherlands).

7500041 Excell

10/17/75 Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V.

Name of owner changed from Quali-Sel, Inc. to Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V.

7600003 Domingos 43

09/07/76 Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V.

Name of owner changed from Quali-Sel, Inc. to Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V.

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The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

NAME OF OWNER ISSUE DATE Š \* EKI. ġ

7800014 Winter Supreme LETTUCE (Continued)

04/20/78 Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V. Name of owner changed from Bruce Church, Inc. to Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V.

7800062

06/22/78 Koninklijke Zaaizaadbedrijven Name of owner changed from Quali-Sel, Inc. to Koninklijke Zaaizaadbedrijven Gebroeders Gebroeders Sluis, B.V. Blanco

03/01/79 Koninklijke Zaaizaadbedrijven Sebroeders Sluis, B.V. 7800083 Amaral 400

Sluis, B.V.

Name of owner changed from Quali-Sel, Inc. to Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V.

< > Identifies temporary designations.

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## CERTIFICATES AMENDED APRIL 1, 1988 TO JUNE 30, 1988

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

NAME OF OWNER	01/02/80 Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V.
GEN. ISSUE	01/02/80
GEN.	
CERT. VARIETY NO.	IETIVCE (Continued) 7900095 Diplomat

Name of owner changed from Bruce Church, Inc. to Koninklijke Zaaizaadbedrijven Gebroeders Name of variety changed from 'Viva' to 'Diplomat'.

05/15/80 Koninklijke Zaai	Viva II
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Name of owner changed from Bruce Church, Inc. to Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V.

Koninklijke Zaaizaadbedrijven	Gebroeders Sluis, B.V.
01/15/88 Ko	
Vancrisp	
8600108	

Name of owner changed from Quali-Sel, Inc. to Koninklijke Zaaizaadbedrijven Gebroeders Sluis, B.V.

< > Identifies temporary designations.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed. 37

### CERTIFICATES AMENDED APRIL 1, 1988 TO JUNE 30, 1988

The following certificates have been amended in accordance with sections 180.103, 180.122, and 180.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

06/30/88 Northrup King Co. NAME OF OWNER ISSOE DATE GEN. \* VARIETY K340 8800070 CERT. Š. TOBACCO

Variety with temporary designation <K340 > named 'K340'.

TOMATO

Sureset

8600124

05/31/88 Ferry-Morse Seed Company

Variety with temporary designation <FM 60437> named 'Sureset'.

<sup>(\*)</sup> To be sold by variety name only as a class of certified seed. A number within parenthesis indicates the number of generations of certified seed permitted beyond breeder's seed. < > Identifies temporary designations.

International Union for the Protection of A New Publication by the

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MOTE:

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